



SEQUENCE LISTING

<110> THE PENN STATE RESEARCH FOUNDATION

<120> Cyclic Peptides

<130> 6460-18

<160> 7

<170> PatentIn version 3.0

<210> 1

<211> 987

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> pARCP-DHFR

<400> 1
atggttaaag ttatcggtcg tcgttccctc ggagtgcaaa gaatatttga tattggtctt 60
ccccaagacc ataattttct gctagccaat ggggcgatcg ccgccaattg tcatatgcac 120
caccaccacc accacatcag tctgattgcg gcgttagcgg tagatcgctt tatcggcatt 180
gaaaacgcca tgccgtggaa cctgcctgcc gatctgcctt gggttaaact caacacctta 240
aataaaccgc tgattatggg ccgccatacc tgggaatcaa tcggtcgctc gttgccagga 300
cgcaaaaata ttatcctcag cagtcaaccg ggtacggacg atcgcgtaac gtgggtgaag 360
tcggtggatg aagccatcgc ggcgtgtggt gacgtaccag aaatcatggt gattggcggc 420

ggtcgcgttt atgaacagtt cttgccaaaa gcgcaaaaac tgtatctgac gcatatcgac	480
gcagaagtgg aaggcgacac ccatttcccg gattacgagc cggatgactg ggaatcggta	540
ttcagcgaat tccacgatgc tgatgocgag aactctcaca gctattgctt tgagattctg	600
gagcggcggg ctgcatgcct cagttttggc accgaaattt taaccgttga gtacggccca	660
ttgcccattg gcaaaattgt gagtgaagaa attaattgtt ctgtgtacag tgttgatcca	720
gaaggagag tttacacca ggcgatcgcc caatggcatg accggggaga gcaggaagta	780
ttggaatatg aattggaaga tggttcagta atccgagcta cctctgacca ccgcttttta	840
accaccgatt atcaactgtt ggcgatcgaa gaaatttttg ctaggcaact ggacttggtg	900
actttagaaa atattaagca aactgaagaa gctcttgaca accatcgtct tccctttcca	960
ttacttgacg ctgggacaat taaataa	987

<210> 2

<211> 987

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> pARCPAH-DHFR

<400> 2

atgggttaaag ttatcggctg tcgttccctc ggagtgcaaa gaatatttga tattggtctt	60
ccccaagacc ataattttct gctagccaat ggggcgatcg ccacaattg tcatatgcac	120
caccaccacc accacatcag tctgattgag gcgttagcgg tagatcgcgt tatcggcatg	180
gaaaacgcca tgccgtggaa cctgcctgcc gatctgcct ggtttaaacg caacacctta	240
aataaacccg tgattatggg ccgccatacc tgggaatcaa tcggtcgtcc gttgccagga	300
cgcaaaaata ttatcctcag cagtcaaccg ggtacggacg atcgcgtaac gtgggtgaag	360
tcggtggatg aagccatcgc ggcgtgtggt gacgtaccag aaatcatggt gattggcggc	420
ggtcgcgttt atgaacagtt cttgccaaaa gcgcaaaaac tgtatctgac gcatatcgac	480
gcagaagtgg aaggcgacac ccatttcccg gattacgagc cggatgactg ggaatcggta	540

ttcagcgaat tccacgatgc tgatgcgcag aactctcaca gctattgctt tgagattctg	600
gagcggcggg ctgcatgcct cagttttggc accgaaattt taaccgttga gtacggccca	660
ttgcccattg gcaaaattgt gagtgaagaa attaattggt ctgtgtacag tgttgatcca	720
gaagggagag tttaacacca ggcgatcgcc caatggcatg accggggaga gcaggaagta	780
ttggaatatg aattggaaga tggttcagta atccgagcta cctctgacca ccgcttttta	840
accaccgatt atcaactggt ggcgatcgaa gaaatttttg ctaggcaact ggacttggtg	900
actttagaaa atattaagca aactgaagaa gctcttgaca accatcgtct tccctttcca	960
ttacttgacg ctgggacaat taaataa	987

<210> 3

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<221> misc_feature

<223> CHMHHHHHHGAGAA

<400> 3

Cys	His	Met	His	His	His	His	His	His	Gly	Ala	Gly	Ala	Ala
1				5					10				

<210> 4

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Pseudostellarin

{WP213126;1}

<400> 4

Ser Gly Gly Tyr Leu Pro Pro Leu
1 5

<210> 5

<211> 690

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> pARCBdp

<400> 5

atggttaaag ttatcggtcg tcgttccttc ggagtgcaaa gaatatttga tattggtctt	60
ccccaagacc ataattttct gctagccaat ggggcgatcg ccacaattc cggtggtat	120
ctgccgccgc tgtgcttaag ttttggcacc gaaattttta ccggttgagta cggccccattg	180
cccattggca aaattgtgag tgaagaaatt aattgttctg tgtacagtgt tgatccagaa	240
gggagagttt acaccaggc gatcgcccaa tggcatgacc ggggagagca ggaagtattg	300
gaatatgaat tggaagatgg ttcagtaatc cgagctacct ctgaccaccg ctttttaacc	360
accgattatc aactgttggc gatcgaagaa atttttgcta ggcaactgga cttgttgact	420
ttagaaaata ttaagcaaac tgaagaagct cttgacaacc atcgtcttcc ctttccatta	480
cttgacgctg gtaccattaa aacgacaaat cctggtgtat ccgcttgga ggtcaacaca	540
gcttatactg cgggacaatt ggtcacatat aacggcaaga cgtataaatg tttgcagccc	600
cacaccttcc tggcaggatg ggaaccatcc aacgttctgc cttgtggcag cttcaatgaa	660
agcttatcga tgataagctg tcaaacaatga	690

<210> 6

<211> 504

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> pARCP-p

<400> 6

```
atggttaaag ttatcggtcg tcgttccttc ggagtgcaaa gaatatttga tattggtctt    60
ccccaaagacc ataattttct gctagccaat ggggcgatcg ccacaattc cgggtggatat    120
ctgccgcgcg tgtgcttaag ttttggcacc gaaattttta ccgttgagta cggcccattg    180
cccattggca aaattgtgag tgaagaaatt aattgttctg tgtacagtgt tgatccagaa    240
gggagagttt acaccaggc gatcgcccaa tggcatgacc ggggagagca ggaagtattg    300
gaatatgaat tggaagatgg ttcagtaatc cgagctacct ctgaccaccg ctttttaacc    360
accgattatc aactgttggc gatcgaagaa atttttgcta ggcaactgga cttgttgact    420
ttagaaaata ttaagcaaac tgaagaagct cttgacaacc atcgtcttcc ctttccatta    480
cttgacgctg ggacaattaa ataa                                           504
```

<210> 7

<211> 522

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> pARCP2-6H

<400> 7

```
atggttaaag ttatcggtcg tcgttccttc ggagtgcaaa gaatatttga tattggtctt    60
ccccaaagacc ataattttct gctagccaat ggggcgatcg ccacaattg tcatatgcac    120
```

caccaccacc accatggggc aggtgctgca tgcctcagtt ttggcaccca aattttaacc	180
gttgagtacg gccattgcc cattggcaaa attgtgagtg aagaaattaa ttgttctgtg	240
tacagtgttg atccagaagg gagagtttac acccaggcga tcgcccaatg gcatgaccgg	300
ggagagcagg aagtattgga atatgaattg gaagatgggt cagtaatccg agctacctct	360
gaccaccgct ttttaaccac cgattatcaa ctggtggcga tcgaagaaat ttttgctagg	420
caactggact tggtgacttt agaaaatatt aagcaaactg aagaagctct tgacaaccat	480
cgtcttcctt ttccattact tgacgctggg acaattaaat aa	522